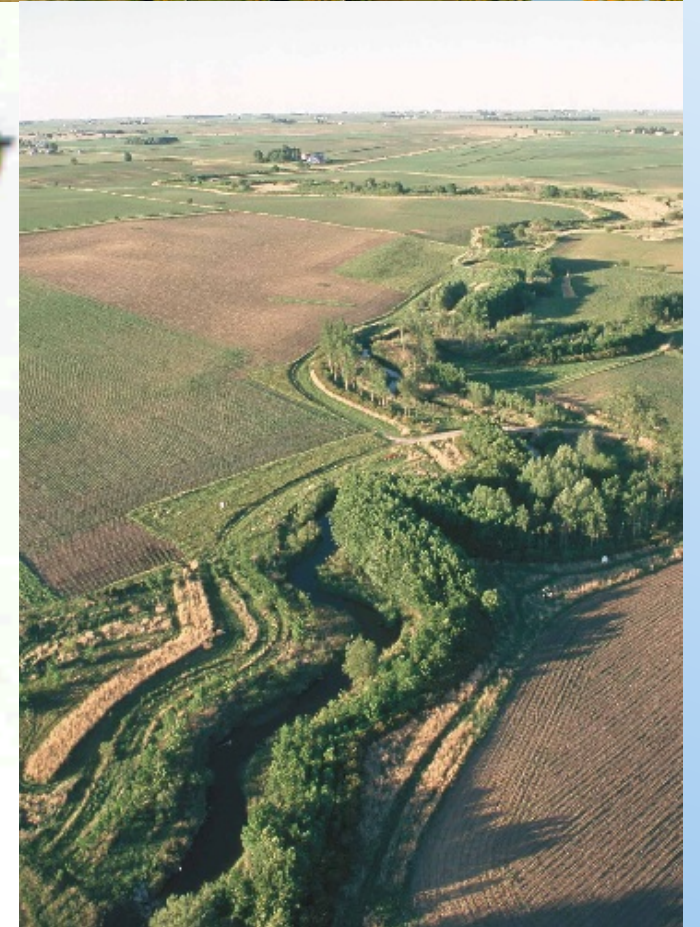
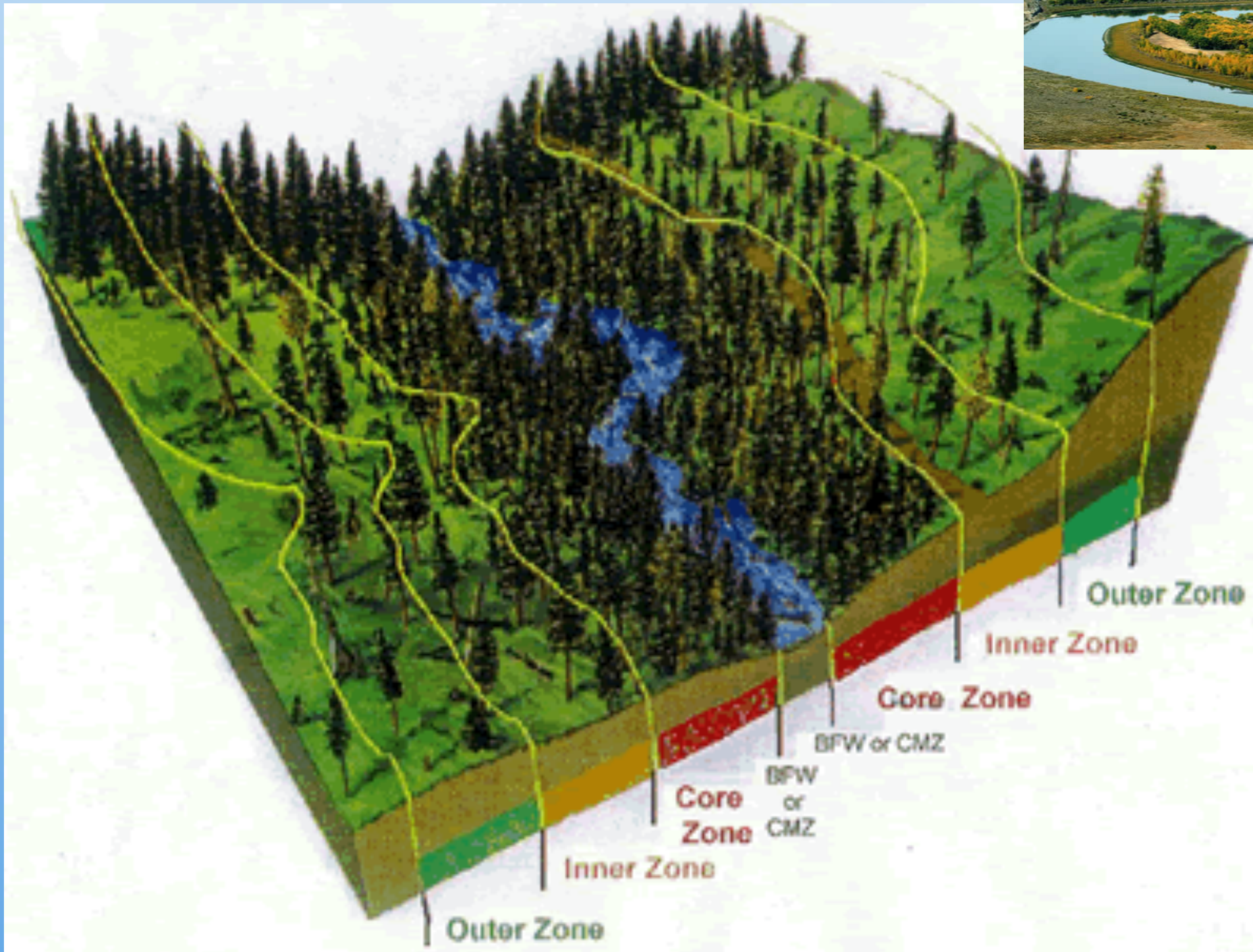




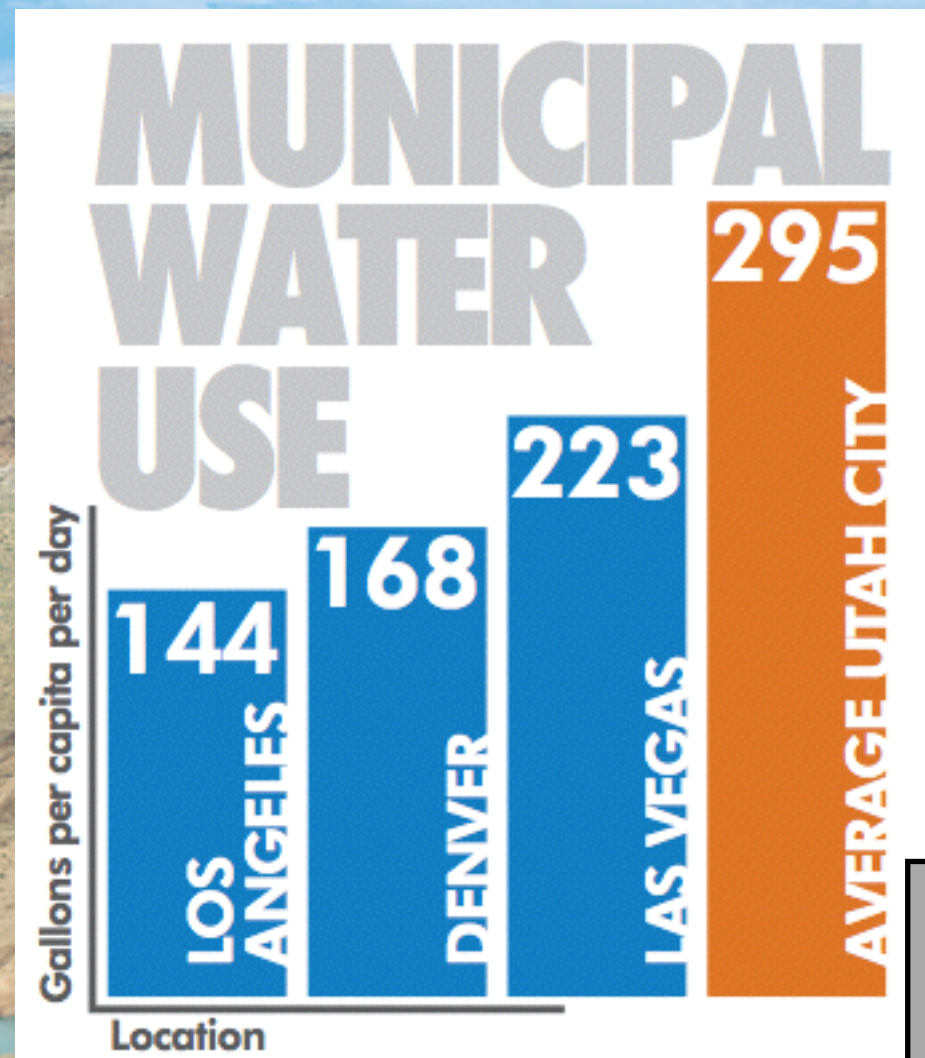
# Why are Rivers Important?

In large part because of their Riparian Zones,  
Rivers provide habitat for  
80% of Utah's wildlife species for  
a portion of their life cycles





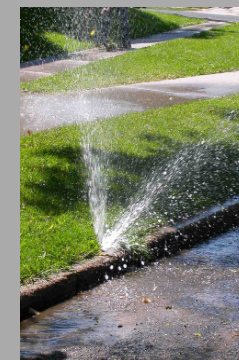
# Utah Has the Highest Municipal Water Use in the U.S.



**70%**  
of Utah's residential water is used outside the home primarily during the summer months

A new study released by the United States Geologic Survey (USGS) shows that Utah is the biggest water user (per person) in the U.S.

Source: <http://pubs.usgs.gov/circ/1405/>





# Proposed Lake Powell Pipeline: \$1 - 3 Billion to deliver water to St. George

Largest proposed water diversion in Colorado River Basin

Most Expensive Water Project ever pursued in Utah  
without a federal sponsor - the EIS has cost \$28 Million

Division of Water Resources submitted their  
application for federal approval of the project on  
December 1st, 2015 - final decision in 2018

Generating controversy across the entire  
Colorado River Basin







# Proposed \$1-3 Billion Bear River Development to deliver water to Wasatch Front

Bear River provides ~ 60% of surface water inflow to GSL

At least 2 dams would divert between 18 - 22% of the River's annual flows upstream of the Bear River Bird Refuge

Timing of diversion is disputed alongside its return flows

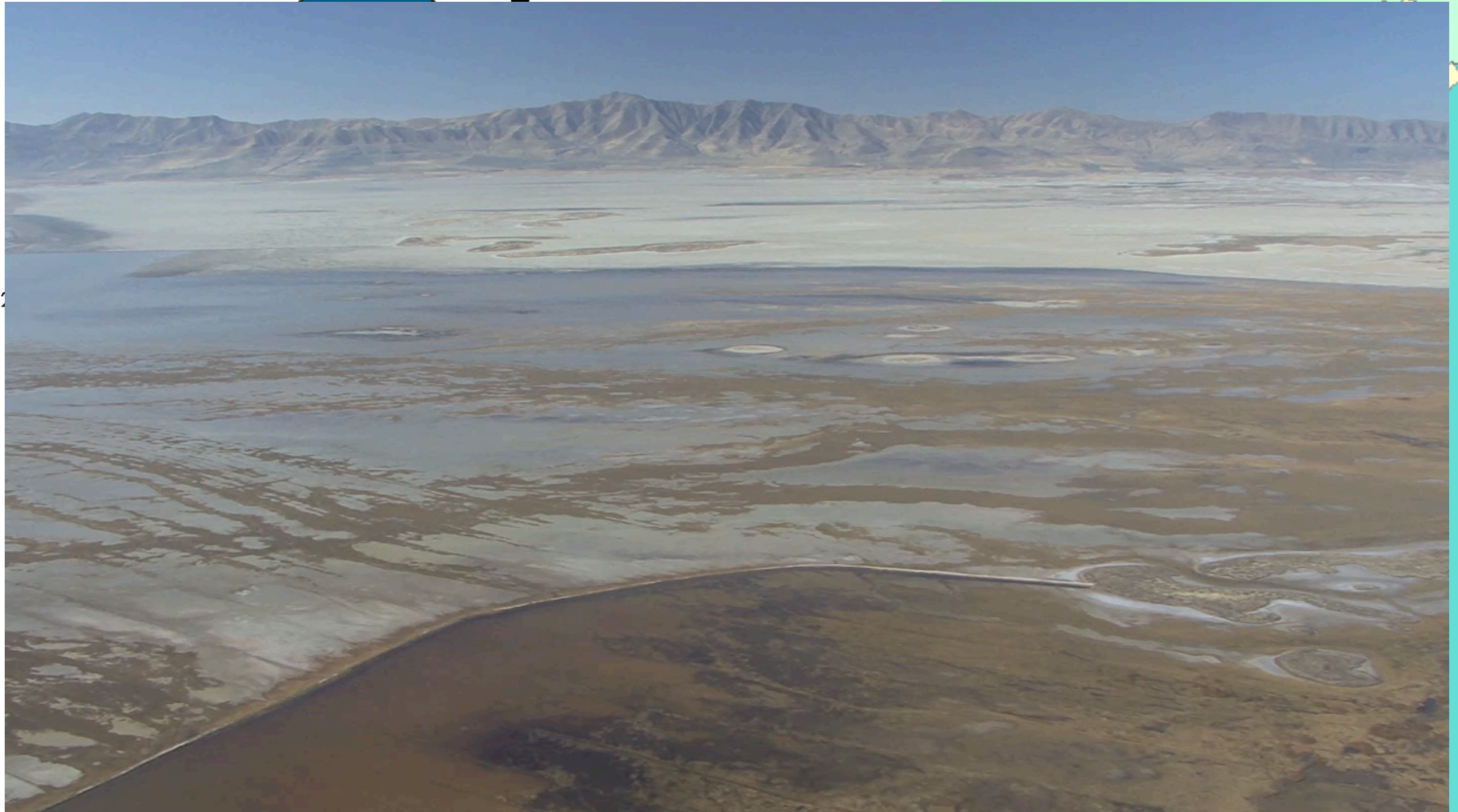
Impacts to wetlands at Bear River Migratory Bird Refuge could be immense

Large areas of exposed lake bed could create more particulate air pollution along the Wasatch Front

Impacts to GSL wetland ecosystem will be immense:  
surprisingly little analysis exists



75% America's tundra swans



10,000 bank swallows

Short-billed  
dowitchers

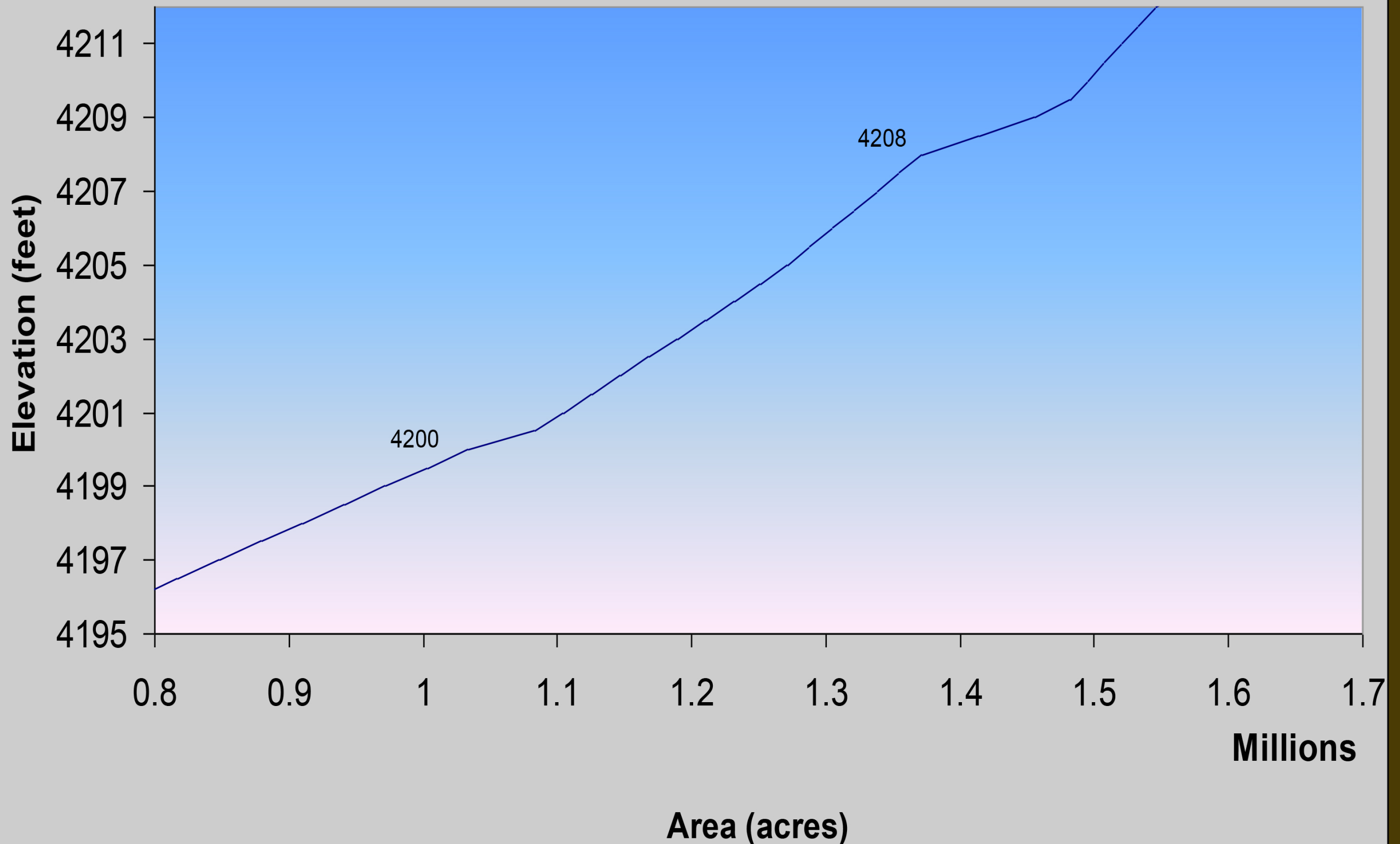
World's largest assemblage  
of snowy plovers





As a result of Owens Lake water diversions, the

## Elevation vs. Area





**Water Conservation is the cheapest and easiest way to  
expand our municipal water supply in Utah**

**So Utah must be doing all it can to conserve water, right?**











(Left) Lake Oroville July 20, 2011  
(Right) Lake Oroville January 16, 2014

- \$100 toilet rebates to replace 60,000 old toilets
- \$10 M in grants for agricultural efficiency upgrades
- Turf replacement rebates of \$2/sq. ft.

With Calif  
Emergenc  
has contin



## Top Story: Governor Brown Issues Executive Order to Bolster State's Drought Response

November 13, 2015 - As California prepares for a fifth year of drought, Governor Edmund G. Brown Jr. today issued an executive order that calls for additional actions to build on the state's ongoing response to record dry conditions and assist recovery efforts from this year's devastating wildfires.

[Read More](#)

## Sacramento Bee: Op-Ed: Despite a Potentially Wet Winter, the Drought Will Continue

October 31, 2015 - It will take a long time to recover from this water deficit, especially because much of it is groundwater in the driest parts of the southern Central Valley, making it hard to refill

[Read More](#)

## Californians Meet Governor's Water Conservation Mandate for Fourth



# Save Our Water



### What You Can Do

**TODAY'S**  
WATER SAVING TIP

Water your lawn only

DAILY WATER-SAVING TIP

#15



# SHADE BALLS





# DROUGHT SHAMING

DS DroughtShame @DroughtShameApp · Jul 7  
Seen repeatedly at Cleland Ave  
Bicentennial Park @LADWP



Matt Sperling @mattjsperling · Jun 26

Guide to saving water by @RecParkSF 1: Don't water - 2: Let grass die  
- 3: Water asphalt. What gives? #droughtshaming



© Twitter



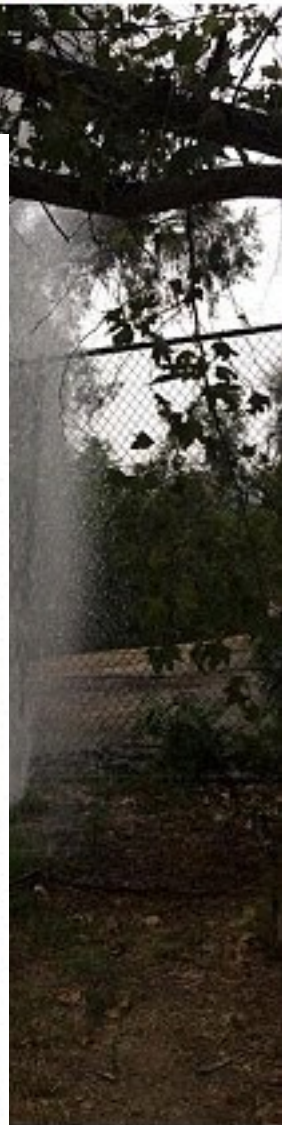
Raider Juan @vargspeed · Jul 23

C'mon @Walmart !!! We're in a #drought  
#droughtshaming

Walmart and CA Drought Watch



© Twitter





# WATER WASTE REPORTING

SaveWater.CA.Gov



[Home](#)

[About](#)

[Contact](#)

Please Note: All reports are anonymous.

## 1 Select type of water waste:

Choose Type ▾

[Add Comment](#)

## 2 Enter location and date/time:

Address:	Street Address	
City:	City	
Zip code:	Zip Code	
Date/time:	11/16/2015 2:05 PM	 

## 3 Send Report:

Send and Continue ↗

Note: On the next screen you can add a photo (optional).



# FORT BRAGG, CA



- Main water source unusable due to high tides
- Immediate water use reduction of over 40% required





# LAS VEGAS TURF REBATE

- \$2/sq. ft. of lawn replacement, up to \$10,000
- \$1/sq. ft. thereafter
- Free landscape designs and native plant suggestions





In Utah over the last 15 years





# RainHarvest

A program to engage homeowners and small businesses to use rainwater to reduce water use and improve water quality.



- Reduces water use
- Improves water quality
- Is legal in Utah



Over 2300 rain barrels  
distributed in 6 Utah  
municipalities last summer

115,000 gallons of water  
saved each time it rains  
enough to fill a 50 gal barrel

More than 1000 households  
participated







[savesomethingutah.org](http://savesomethingutah.org)



# BluePrintUtah.org

How much

**BLUEPRINT**  
DISCOVERING UTAH'S WATER FOOTPRINT



Your water use is comparable to the average urban Las Vegas resident.

Utah Rivers  
Council  
Save Something

SCIF  
Sustainable Campus  
Initiative Fund

## MODERATE WATER USER

YOUR SCORE: 235 GAL/DAY

AVERAGE UTAH CITY: 295 GAL/DAY

LAS VEGAS AVERAGE: 223 GAL/DAY

[Click here](#) for simple tips on how to make a difference by reducing your water footprint.

Each person's water use is connected to the fate of crucial ecosystems like the Colorado River and Great Salt Lake. [Click here for more](#)



# Landscape ordinance- Rip Your Strip



## Metering secondary water





# 10 Ways to Save Water & Money

## OUTDOORS

Water green—not grey

Timing is everything

Rip your strip

Harvest the rain

Sprinkle smart

Use one drop at a time

## INDOORS

Fill them first

Just add air

Tinker with your toilet

Keep it current

More at [utahrivers.org](http://utahrivers.org)